

ABSTRACT

Provided is a visual displacement sensor which comprises a laser diode (112) for impinging a line beam onto an object to be measured at a prescribed angle, a two-dimensional CCD (122) for monitoring the object to be measured, on which the line beam is impinged, from a different angle, measurement object range defining means for defining one or more than one measurement object range (K11, K12) within a field of view of the two-dimensional CCD, measurement point coordinate determining means for determining one or more than one measurement point coordinate (A7) contained in the defined measurement object range according to an image captured by the two-dimensional CCD, and displacement measuring means for measuring a desired displacement according to the determined one or more than one measurement point coordinate.